

ABSTRACT OF THE DISCLOSURE

An apparatus for removing a shade from an image includes a principle component analyzing unit performing principle component analysis on a set of face images having various types of shades to generate an eigen space, a storing unit storing the eigen space generated by the principle component analyzing unit, an image input unit receiving as an input a new face image, a projecting unit projecting the face image input through the image input unit to the eigen space stored in the storing unit, and an image producing unit producing a face image with the shade component removed, based on the face image input through the image input unit and the image projected to the eigen space by the projecting unit.

09902098-07.1.101